

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-11 (Canceled).

Claim 12 (New): A linear oscillator, comprising:

a reciprocatable moving part;

a case containing the moving part;

an amplitude control spindle moveably supported in the case;

an electromagnetic driving part housed in the case for reciprocating the moving part;

and

a spring member disposed at least between the case and the moving part and between the case and the amplitude control spindle to form a spring oscillation system,

wherein the moving part and the amplitude control spindle reciprocate at or near to a resonance frequency of the linear oscillator.

Claim 13 (New): The linear oscillator according to Claim 12, wherein the electromagnetic driving part includes a coil configured to generate a coil current to control the moving part and the amplitude control spindle when reciprocating.

Claim 14 (New): The linear oscillator according to Claim 12, wherein:
the spring member includes a coil spring, and
a mass of the amplitude control spindle including a first connecting element is larger than a mass of the moving part and a second connection element.

Claim 15 (New): The linear oscillator according to Claim 12, wherein the moving part and the amplitude control spindle reciprocate at approximately the resonance frequency in respectively opposite phases.

Claim 16 (New): The linear oscillator according to Claim 12, further comprising a shaft connected as a connection element to at least one of the moving part or the amplitude control spindle to output motion generated when the moving part and the amplitude control spindle reciprocate.

Claim 17 (New): The linear oscillator according to Claim 16, wherein the shaft comprises a nonmagnetic substance.

Claim 18 (New): The linear oscillator according to Claim 17, wherein only a portion of the moving part passing through the shaft comprises a magnetic substance.

Claim 19 (New): The linear oscillator according to Claim 16, further comprising means for restricting an axial revolution of the shaft.

Claim 20 (New): The linear oscillator according to Claim 19, wherein the means for restricting includes the spring.

Claim 21 (New): The linear oscillator according to Claim 12, further comprising means for preventing rocking of the amplitude control spindle.